



*(University of Choice)*

**MASINDE MULIRO UNIVERSITY OF  
SCIENCE AND TECHNOLOGY**

**(MMUST)**

**MAIN CAMPUS**

**UNIVERSITY EXAMINATIONS**

**MAIN EXAM**

**2023/2024 ACADEMIC YEAR**

**FOURTH YEAR FIRST SEMESTER EXAMINATION**

**FOR THE DEGREE OF BACHELOR OF SCIENCE IN DISASTER MITIGATION AND  
SUSTAINABLE DEVELOPMENT**

**COURSE CODE: DSM 400**

**COURSE TITLE: LIVELIHOOD DIVERSIFICATION**

**DATE: 13/12/2023**

**TIME: 8-10 A.M**

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**INSTRUCTIONS TO CANDIDATES:**

Question ONE (1) is compulsory

Answer ANY OTHER TWO (2) questions

MMUST observes ZERO tolerance to examination cheating

Paper Consists of 2 Printed Pages. Please Turn Over



**QUESTION 1 (COMPULSORY) (30 Marks)**

- a) Explain the main difference between diversification by choice and necessity driven diversification ( 10 marks)
- b) Explain any five determinants of diversification at household level in a Kenyan rural setup (10 Marks)
- c) Use an illustration to demonstrate the relationship between livelihood diversification and wellbeing in an agrarian economy ( 10 Marks)

**QUESTION 2 (20 Marks)**

- a. Explain the importance of wealth in livelihood diversification ( 6 marks)
- b. Elaborate two roles played by livelihood diversification ( 6 marks)
- c. Briefly discuss the difference between income smoothening and production smoothening in livelihood diversification ( 8 marks )

**QUESTION 3 (20 Marks)**

- a) Using relevant examples, discuss in detail the role of crop- livestock integration in climate change adaptation and mitigation (10 marks)
- b) Explain any five potential five diversification options in a developing country context ( 10 marks)

**QUESTION 4 (20 Marks)**

- a. You have been tasked to undertake research on household livelihoods. Suggest with reasons the data collection tools you will employ to undertake the exercise ( 10 marks)
- b. Account for livelihood diversification through sustainable livelihood framework ( 10 marks)